

Converting Colors

XYZ(69.6188, 78.8829, 83.4497)

Have a look what the booklet for
XYZ(69.6188, 78.8829, 83.4497)
contains.

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Color

**XYZ(69.7353, 78.8918,
83.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	D0ECE2
RGB	208, 236, 226
RGB Percent	82%, 93%, 89%
CMY	0.1843, 0.0745, 0.1137
CMYK	0.12, 0.00, 0.04, 0.07
HSL	159°, 42%, 87%
HSV	159°, 12%, 93%
XYZ	69.7353, 78.8918, 83.5037
YIQ	226.4880, -13.4780, -9.0460

Conversions

Conversions Part 2

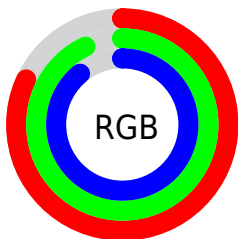
Format	Color
R_{YB}	208, 225, 236
Decimal	13692130
CIE _{Lab}	91.19, -11.04, 1.73
CIE _{LCh}	91, 11.178, 171.073
Yxy	78.8918, 0.3004, 0.3399
Android (android.graphics.Color)	4291882210 (0xFFD0ECE2)
YUV	226.4880, -0.2406, -16.2140
Hunter-Lab	88.8211, -15.2927, 6.4342

Details

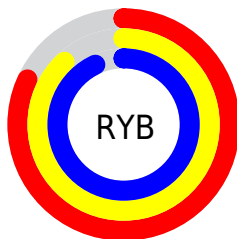
The XYZ color **69.7353, 78.8918, 83.5037** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8056, 68.0085, 75.7810**, and the grayscale version is **72.6525, 76.4361, 83.2389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8088, 42.3551, 44.7634** is the 20% darker color. If you saturate the color by 10%, you get **62.4592, 75.2734, 77.2730**, and if you desaturate by 10%, it is **78.0601, 83.0486, 90.0837**.

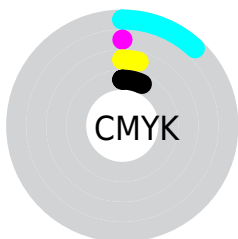
Distribution



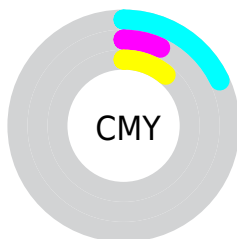
- Red (82%)
- Green (93%)
- Blue (89%)



- Red (82%)
- Yellow (88%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7353, 78.8918, 83.5037 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.7353, 78.8918, 83.5037 by changing the saturation by 10% instead.

■ 69.7353, 78.8918,
83.5037

■ 69.7353, 78.8918,
83.5037

448.9010,
491.1902, 526.6786

■ 51.5896, 58.8069,
62.0627

117.8595,
131.8065, 140.1362

■ 36.9010, 42.4577,
44.6473

148.5687,
165.4051, 176.1649

■ 25.3042, 29.4598,
30.8388

184.1965,
204.2770, 217.8932

■ 16.4337, 19.4289,
20.2187

225.1082,
248.8066, 265.7398

■ 9.9244, 11.9806,
12.3684

271.6691,
299.3784, 320.1230

■ 5.4107, 6.7305,
6.8695

324.2446,

■ 2.5274, 3.2941,

356.3766, 381.4616

3.3034

383.2001,
420.1858, 450.1739

■ 0.9091, 1.2871,
1.2516

■ 0.0000, 0.1312,
0.0216

■ 69.7353, 78.8918,
83.5037

■ 69.7353, 78.8918,
83.5037

■ 62.4592, 75.2734,
77.2730

■ 78.0601, 83.0486,
90.0837

■ 56.1808, 72.1607,
71.3802

■ 87.3939, 87.7167,
97.0104

■ 50.8548, 69.5326,
65.8203

■ 88.6959, 88.2375,
103.8664

■ 46.4298, 67.3627,
60.5867

■ 89.2870, 88.4739,
106.9790

■ 42.8492, 65.6219,
55.6721

■ 40.0496, 64.2776,
51.0689

■ 37.9586, 63.2927,
46.7691

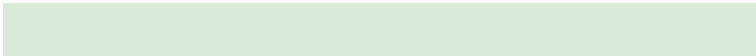
■ 36.4890, 62.6222,
42.7636

■ 35.6398, 62.2511,
39.7139

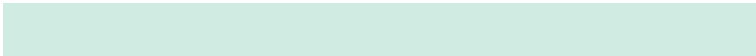
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8296, 78.8918, 76.4737



69.7353, 78.8918, 83.5037



70.0197, 78.8918, 91.6268

Triad

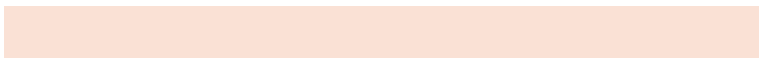
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7353, 78.8918, 83.5037



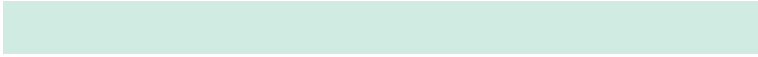
76.9582, 78.8918, 101.2803



78.4562, 78.8918, 74.3358

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



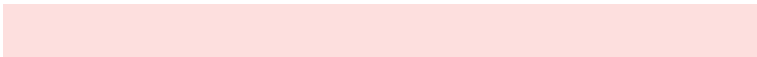
69.7353, 78.8918, 83.5037



69.8056, 68.0085, 75.7810

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1782, 78.8918, 80.4165



69.7353, 78.8918, 83.5037



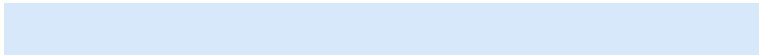
79.2984, 78.8918, 96.0702

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



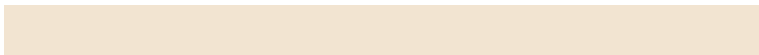
69.7353, 78.8918, 83.5037



74.1429, 78.8918, 102.2359



80.4903, 78.8918, 88.3412



75.8320, 78.8918, 71.4037

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



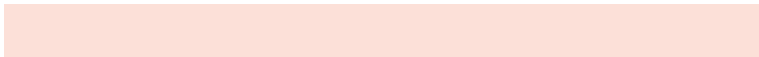
69.7353, 78.8918, 83.5037



70.9558, 78.8918, 96.5528



80.4903, 78.8918, 88.3412



79.1625, 78.8918, 76.0606

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.7375, 78.8951, 83.5054



90.8153, 97.8841, 105.6686



70.3765, 79.4951, 71.3104



19.2727, 20.8686, 22.4890



0.0000, 0.0000, 0.0000



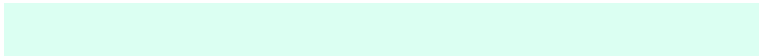
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7375, 78.8951, 83.5054



81.1279, 93.0523, 97.8842



70.0870, 77.3327, 90.5936



15.2760, 17.0252, 18.1363



19.7083, 34.3378, 22.2267



1.5932, 2.7146, 1.9854

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.8056, 68.0085, 75.7810



81.2229, 77.9089, 87.1403



69.4566, 69.3427, 69.3993



15.2878, 15.1430, 16.8006



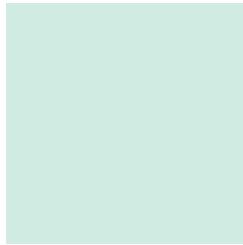
20.0125, 10.2077, 5.8673



1.6159, 0.8193, 0.6949

Previews

White Background



This preview shows how the XYZ color 69.7353, 78.8918, 83.5037 looks on a white background.

Color Contrast Check

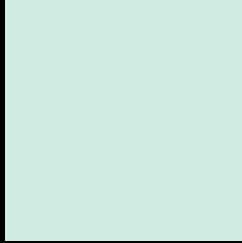
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 69.7353, 78.8918, 83.5037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

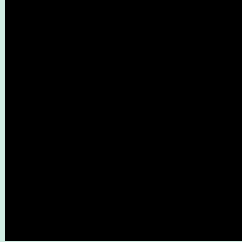
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

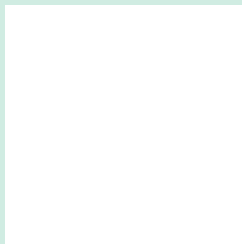
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7353, 78.8918, 83.5037

Background



This preview shows how black text looks on a background with the XYZ color 69.7353, 78.8918, 83.5037.

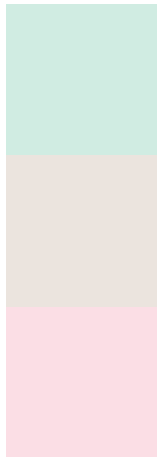


This preview shows how white text looks on a background with the XYZ color 69.7353, 78.8918,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

69.7353, 78.8918, 83.5037

Protanopia

75.1892, 78.4229, 80.2815

Deuteranopia

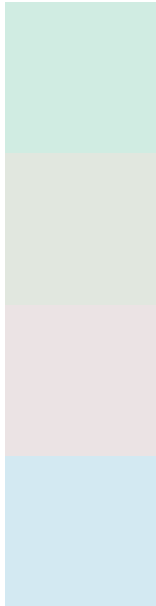
80.0478, 78.4089, 85.0442



Tritanopia

73.4206, 78.6753, 102.5830

Trichromacy



Original Color

69.7353, 78.8918, 83.5037

Protanomaly

72.9465, 78.4871, 81.1169

Deuteranomaly

75.7336, 78.2018, 84.5016

Tritanomaly

72.0299, 78.5375, 95.3673

Monochromacy



Original Color

69.7353, 78.8918, 83.5037

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.2377, 77.1447, 83.0873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7353, 78.8918, 83.5037 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(208, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(208, 236, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(208, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 69.7353, 78.8918, 83.5037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 236, 226) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(208, 236, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(208, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(208, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7353, 78.8918, 83.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 236, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(208,  
236, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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